SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006 as amended

SDS # : A-10015

Toner Cartridge Magnetic Toner -
Black, Cyan, Magenta, Yellow

Issuing Date 2011-07-13  Revision Date 2017-01-19  Version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name
Toner Cartridge Magnetic Toner for Phaser 7800
Part no.

Colour
Black, Cyan, Magenta, Yellow

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use
Xerographic printing

1.3 Details of the supplier of the safety data sheet

Supplier
Xerox Ltd.
Xerox Environment, Health & Safety
Bessemer Road
Welwyn Garden City
Herts. AL7 1HE
UK

For further information, please contact

Contact person
Manager, Environment, Health, Safety & Sustainability
Phone
++44 (0)1707 353434
Fax
-
E-mail address
ehs-europe@xerox.com

1.4 Emergency telephone

Not applicable

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008

2.2 Label elements

None

2.3 Other hazards

No hazard expected under normal conditions of use
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

This formulation represents multiple colors and the component list includes multiple pigments. The actual toner formulation for each color will differ only in the pigment used.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>CAS No.</th>
<th>EC-No</th>
<th>Classification (Reg. 1272/2008)</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resin</td>
<td>70-90</td>
<td>Proprietary</td>
<td>Not listed</td>
<td>None</td>
<td>01-2119384822-32-00 65</td>
</tr>
<tr>
<td>Paraffin wax</td>
<td>1-10</td>
<td>8002-74-2</td>
<td>232-315-6</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Yellow pigment</td>
<td>0-10</td>
<td>6358-31-2</td>
<td>228-768-4</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td>0-10</td>
<td>1333-86-4</td>
<td>215-609-9</td>
<td>Carc 2 (Inhalation) 01-2119456771-32-00 44</td>
<td></td>
</tr>
<tr>
<td>Cyan pigment</td>
<td>0-10</td>
<td>147-14-8</td>
<td>205-685-1</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Magenta pigment</td>
<td>0-10</td>
<td>980-26-7</td>
<td>213-561-3</td>
<td>None</td>
<td>01-2119456804-33-00 08</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>1-5</td>
<td>7631-86-9</td>
<td>231-545-4</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>&lt;1</td>
<td>13463-67-7</td>
<td>236-675-5</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Note
Components marked as "Not Listed" are exempt from registration.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes

Skin contact
Wash skin with soap and water

Inhalation
Move to fresh air

Ingestion
Rinse mouth with water and afterwards drink plenty of water or milk

4.2 Most important symptoms and effects, both acute and delayed

Acute Toxicity
- Eyes: No known effect
- Skin: No known effect
- Inhalation: No known effect
- Ingestion: No known effect

Chronic effects

Main symptoms
Overexposure may cause: mild respiratory irritation similar to nuisance dust.

4.3 Indication of immediate medical attention and special treatment needed

Protection of first-aiders
No special protective equipment required

Notes to physician
Treat symptomatically
5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media  Use water spray or fog; do not use straight streams, Foam

Unsuitable extinguishing media  Do not use a solid water stream as it may scatter and spread fire

5.2 Special hazards arising from the substance or mixture

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

5.3 Special protective actions for fire-fighters

In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins. Wear self-contained breathing apparatus and protective suit.

Other information

<table>
<thead>
<tr>
<th>Flammable properties</th>
<th>Not flammable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)</td>
</tr>
</tbody>
</table>

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing dust

6.2 Environmental precautions

No special environmental precautions required

6.3 Methods and material for containment and cleaning up

Use a vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner making it difficult to remove.

6.4 Reference to other sections

None

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice, Avoid dust accumulation in enclosed space, Prevent dust cloud
7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature.

7.3 Specific end uses

Xerographic printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xerox Exposure Limit</td>
<td>2.5 mg/m³ (total dust)</td>
</tr>
<tr>
<td>Xerox Exposure Limit</td>
<td>0.4 mg/m³ (respirable dust)</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

<table>
<thead>
<tr>
<th>Control Measure</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering measures</td>
<td>None under normal use conditions</td>
</tr>
</tbody>
</table>

8.3 Individual protection measures, such as personal protective equipment (PPE)

<table>
<thead>
<tr>
<th>Protection Measure</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory protection</td>
<td>No special protective equipment required</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>No special protective equipment required</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>No special protective equipment required</td>
</tr>
<tr>
<td>Hand protection</td>
<td>No special protective equipment required</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Softening point</td>
<td>49 - 60 °C / - 140 °F</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>~ 1</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Black, Cyan, Magenta, Yellow</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odour</td>
<td>Faint</td>
</tr>
</tbody>
</table>

9.2 Other information
## Explosive properties

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

- **Hazardous reactions**: None under normal processing
- **Hazardous polymerisation**: Hazardous polymerisation does not occur

#### 10.4 Conditions to avoid

Prevent dust cloud. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

#### 10.5 Incompatible materials to avoid

None.

#### 10.6 Hazardous decomposition products

None under normal use.

## 11. TOXICOLOGICAL INFORMATION

The toxicity data noted below is based on the test results of similar reprographic materials.

### 11.1 Information on toxicological effects

#### Acute Toxicity

**Product Information**

- **Irritation**: No skin irritation, No eye irritation
- **Oral LD50**: > 5 g/kg (rat)
- **Dermal LD50**: > 5 g/kg (rabbit)
- **LC50 Inhalation**: > 5 mg/L (rat, 4 hr)

#### Chronic toxicity

**Product Information**

- **Chronic effects**: No known effects under normal use conditions
- **Carcinogenicity**: Not classifiable as a human carcinogen
- **Other information**: The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". However, Xerox has concluded that the presence of carbon black in this mixture does not present a health hazard. The IARC classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other
pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. Xerox has performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.

The IARC (International Agency for Research on Cancer) has listed titanium dioxide as "possibly carcinogenic to humans". However, Xerox has concluded that the presence of titanium dioxide in this mixture does not present a health hazard. The IARC classification is based on studies in rats using high concentrations of pure, unbound TiO2 particles of respirable size. The Titanium Dioxide Industry REACH Consortium have concluded that these effects were species-specific, attributable to lung overload and not specific to TiO2, i.e. similar effects would also be seen for other low solubility dusts. Toxicological and epidemiological studies do not suggest a carcinogenic effects in humans. In addition, the titanium dioxide in this mixture is encapsulated in a matrix or bound to the surface of the toner.

Other toxic effects

Product Information

<table>
<thead>
<tr>
<th>Sensitisation</th>
<th>No sensitisation responses were observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mutagenic effects</td>
<td>Not mutagenic in AMES Test</td>
</tr>
<tr>
<td>Target organ effects</td>
<td>None known</td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>None known</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

12.1 Toxicity

<table>
<thead>
<tr>
<th>Acute Aquatic Toxicity</th>
<th>On available data, substance is not harmful to aquatic life.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic Aquatic Toxicity</td>
<td>On available data, substance is not harmful to aquatic life.</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

Not readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation is unlikely

12.4 Mobility in soil

Insoluble in water

12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

Presents little or no hazard to the environment
13. DISPOSAL CONSIDERATIONS

13.1 Disposal considerations

Waste Disposal Method
No special precautions are needed in handling this material

EWC Waste Disposal No.
08 03 18

14. TRANSPORT INFORMATION

14.1 UN/ID No
Not regulated

14.2 Proper shipping name
Not regulated

14.3 Transport hazard class(es)
Not classified

14.4 Packing Group
Not applicable

14.5 Environmental hazards
Presents little or no hazard to the environment

14.6 Special precautions for users
No special precautions are needed in handling this material

14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008.

15.2 Chemical Safety Assessment
Not applicable

16. OTHER INFORMATION
This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008 as amended.

Disclaimer
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